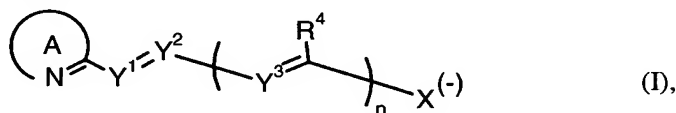


**Metal complexes used as light-absorbent compounds in the information layer of optical data carriers**

**A b s t r a c t**

Optical data carriers comprising a preferably transparent substrate which may, if desired, have previously been coated with one or more reflection layers and to whose surface a light-writable information layer, if desired one or more reflection layers and if desired a protective layer or a further substrate and a covering layer have been applied, which can be written on or read by means of blue light, preferably light having a wavelength in the range 360-460 nm, in particular from 390 to 420 nm, very particularly preferably from 400 to 410 nm, preferably laser light, where the information layer comprises a light-absorbent compound and, if desired, a binder, characterized in that at least one metal complex having at least one ligand of the formula (I)



where

the radical of the formula  $\text{A} \begin{array}{c} \text{N} \\ \text{=} \end{array}$  (hereinafter referred to as A for short)

is a substituted or unsubstituted and/or benzo- or naphtho-fused five- or six-membered aromatic or pseudoaromatic or partially hydrogenated heterocyclic radical,

n is 0 or 1,

Y<sup>1</sup> is N or C-R<sup>1</sup>,

Y<sup>2</sup> is N or C-R<sup>2</sup>,

Y<sup>3</sup> is N or C-R<sup>3</sup>,

X is O, S or N-R<sup>5</sup>,

R<sup>5</sup> is hydrogen, alkyl, alkenyl, aralkyl, cycloalkyl, acyl, aryl or a heterocyclic radical,

$R^1$  to  $R^4$  are each, independently of one another, hydrogen, halogen, alkyl, alkoxy, monoalkylamino or dialkylamino, aralkyl, aryl, hetaryl, arylazo, hetarylazo, cyano or alkoxycarbonyl,

$R^1;R^2$ ,  $R^2;R^3$  and  $R^4;R^5$  can each, independently of one another, form a bridge and

$R^2;R^5$  can form a substituted or unsubstituted bridge when  $n$  is 0,

is used as light-absorbent compound.